

 <p>Illinois Environmental Protection Agency Division of Air Pollution Control MC 40, P.O. Box 19276 Springfield IL 62794-9276</p> <p><b>APPLICATION FOR CLEAN AIR SET-ASIDE: HIGHLY EFFICIENT GENERATION UNIT PROJECT</b></p>	<b>APPLICATION TYPE</b> <input type="checkbox"/> Initial Application <input type="checkbox"/> Renewal Application	<b>FOR AGENCY USE ONLY</b> Date Received:
	<b>APPLYING FOR <sup>1</sup></b> <input type="checkbox"/> Annual allowances <input type="checkbox"/> Seasonal allowances	

<b>SECTION 1:</b>	<b>PROJECT SPONSOR IDENTIFICATION</b>
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1) Project Sponsor:		
2) Principals Or Corporate Officials:		
3) Date Form Prepared:     /     /	4) Type Of Organization: <input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Individual <input type="checkbox"/> Other: _____	
5) CAIR NOx Annual Account Number:	6) CAIR NOx Seasonal Account Number:	
7) Authorized Account or Designated Representative:	8) Alternate Authorized Account or Designated Representative:	
9) Phone:	10) Email:	
<b>Physical Location Of Project <sup>2</sup></b>		
11) Address:	12) County:	
13) City:	14) State:	15) Zip Code:

<b>SIGNATURE BLOCK</b>
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16) "Project Sponsor" means a person or an entity, including but not limited to the owner or operator of an EGU or a not-for-profit group that provides the majority of funding for a CASA eligible project, unless another person or entity is designated by a written agreement as the project sponsor for the purposes of applying for NOx allowances from the CASA pursuant to 35 IAC 225.130.  I certify that the person or entity named in box 1 above meets the above definition of "project sponsor": <input type="checkbox"/> YES <input type="checkbox"/> NO	
17) "I am authorized to make this submission on behalf of the project sponsor and the holder of the CAIR NOx general account or compliance account for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this application and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information."	
BY: _____	
_____ AUTHORIZED SIGNATURE	_____ TITLE OF SIGNATORY
_____ TYPED OR PRINTED NAME OF SIGNATORY	_____ DATE

1. Complete a separate application for the request of annual or seasonal allowances.
2. The address where all correspondence shall be mailed.
3. Rounding is completed at the final calculation; for intermediate calculations record to the nearest ten thousandth (i.e., 4 places).

SECTION 2:		PROJECT INFORMATION	
1) Source Name:			
2) Address:			
3) City:	4) State:	5) Zip Code:	
6) If this is a renewal application, have there been changes to the operation from the previous submittal? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <b>Note:</b> If this is a renewal application and there have been no changes to the operation from the previous submittal, only those items changing from year to year require updating.			
7) Was the project installed pursuant to a result of a court order, consent decree, or Supplemental Environmental Project (SEP)? <input type="checkbox"/> Yes <input type="checkbox"/> No			
8) Does this application aggregate more than one project? <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", complete the CASA Aggregation Address Form to detail the locations of the other sources.			
9) Total number of allowances applied for: Annual: _____ or Seasonal: _____			
10) Does the clean coal power generation unit include energy from incineration by burning or heating of waste wood, tires, garbage, general household, institutional lunchroom or office waste, landscape waste, or construction or demolition debris? <input type="checkbox"/> Yes <input type="checkbox"/> No			
11a) Generation Unit Type: <input type="checkbox"/> Combined Heat and Power <input type="checkbox"/> Combined Cycle <input type="checkbox"/> Microturbine Specify if Other: _____			
11b) Date Commenced Operation: _____			
12) A description of the generation unit(s), attach additional sheets as necessary:			
13) An explanation of how the electricity and/or useful thermal energy (UTE) was generated, measured, verified, and calculated, with supporting documentation as necessary. For UTE elaborate on the calibration, maintenance, and operation of the necessary meters to measure and record the necessary data to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis, attach additional sheets as necessary:			

<b>FUEL TYPE and FIRING RATE</b>				
<b>GASEOUS FUEL FIRING or N/A</b> <input type="checkbox"/>				
14a) Gaseous Fuel Type (check all that apply):		<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Propane	<input type="checkbox"/> Methane
<input type="checkbox"/> Other Non-Biofuel, Specify (Include Supplier):				
<input type="checkbox"/> Other Biofuel, Specify (Include Supplier):				
b) Typical Heat Content (Btu/scf):		c) Actual Consumption (mmSCF/Year):		
<b>LIQUID FUEL FIRING or N/A</b> <input type="checkbox"/>				
15a) Liquid Fuel Type (check all that apply):		<input type="checkbox"/> Distillate Oil Specify No.:	<input type="checkbox"/> Ethanol Specify Blend:	<input type="checkbox"/> Biodiesel Specify Blend: <input type="checkbox"/> Gasoline
<input type="checkbox"/> Other Non-Biofuel, Specify (Include Supplier):				
<input type="checkbox"/> Other Biofuel, Specify (Include Supplier):				
b) Typical Heat Content (Btu/Gal):		c) Actual Consumption (Gal/Year):		
<b>SOLID FUEL FIRING or N/A</b> <input type="checkbox"/>				
16a) Solid Fuel Type (check all that apply):		<input type="checkbox"/> Coal (Sub-Bituminous, Bituminous, Lignite, Anthracite)		<input type="checkbox"/> Wood
<input type="checkbox"/> Other Non-Biofuel, Specify (Include Supplier):				
<input type="checkbox"/> Other Biofuel, Specify (Include Supplier):				
b) Typical Heat Content (Btu/lb):		c) Actual Consumption (Ton/Year):		
<b>FUEL FIRING RATE INFORMATION</b>				
17a) Description (check all that apply):		<input type="checkbox"/> Internal Combustion Engine	<input type="checkbox"/> Simple Cycle Turbine	<input type="checkbox"/> Combined Cycle Turbine <input type="checkbox"/> Boiler
		<input type="checkbox"/> Specify if Other:		
b) Rated Or Design Heat Input Capacity (Million Btu/Hr):				
c) Rated Or Design Power Output Capacity (MWh):				
d) Complete the Following Table		Heat Rate Contribution		
		Heat Content (HHV)	Consumption	Total mmBtu
Gaseous Fuel	1)			
	2)			
Liquid Fuel	1)			
	2)			
Solid Fuel	1)			
	2)			
			e) Total Heat Input:	

<b>RATED-ENERGY EFFICIENCY (REE)</b>	
18) MWh <sub>g</sub> = Megawatt-hours generated:	_____ (MWh)
19) GO = Gross electrical output of the system; Line 18 x 3,413 Btu / 1KWh:	_____ (mmBtu)
20) UTE = Amount of Useful Thermal Energy (UTE) produced:	_____ (mmBtu)
21) HI = Heat input, Line 19e	_____ (mmBtu)
22) REE=((GO + UTE) / HI) x 100 Line 21 Line 22 Line 23	_____ (%)
23) Referring to Line 22, for the highly efficient generation unit project, is the project:	
a) a combined heat and power projects generating both electricity and useful thermal energy for space, water, or industrial process heat, with a rated-energy efficiency of at least 60 percent and is not a CAIR NOx unit.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) a combined cycle projects rated at greater than 0.50 MW, with a rated-energy efficiency of at least 50 percent.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
c) a microturbine project rated at or below 0.50 MW, with a rated-energy efficiency of at least 40 percent.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
d) an all other project, with a rated-energy efficiency of at least 40 percent.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Note: The project must have an efficiency greater than the thresholds specified above to be considered as a highly efficient generation unit project and thus eligible for CASA allowances.	

<b>SECTION 3:</b>	<b>ALLOWANCE CALCULATIONS</b>
Generating Unit One	
1) MWh <sub>g</sub> = Megawatt-hours generated:	_____ (MWh)
2) ER = Annual Average NOx Emission Rate based from CEM data:	_____ (lbs. / MWh)
Allowances = (MWhg) x (1.0 lb/MWh – ER lb/MWh) / 2000 lb = Line 1 Line 2	_____ Allowances
Generating Unit Two or N/A <input type="checkbox"/>	
3) MWh <sub>g</sub> = Megawatt-hours generated:	_____ (MWh)
4) ER = Annual Average NOx Emission Rate based from CEM data:	_____ (lbs. / MWh)
Allowances = (MWhg) x (1.0 lb/MWh – ER lb/MWh) / 2000 lb = Line 3 Line 4	_____ Allowances
Generating Unit Three or N/A <input type="checkbox"/>	
5) MWh <sub>g</sub> = Megawatt-hours generated:	_____ (MWh)
6) ER = Annual Average NOx Emission Rate based from CEM data:	_____ (lbs. / MWh)
Allowances = (MWhg) x (1.0 lb/MWh – ER lb/MWh) / 2000 lb = Line 5 Line 6	_____ Allowances
Generating Unit Four or N/A <input type="checkbox"/>	
7) MWh <sub>g</sub> = Megawatt-hours generated:	_____ (MWh)
8) ER = Annual Average NOx Emission Rate based from CEM data:	_____ (lbs. / MWh)
Allowances = (MWhg) x (1.0 lb/MWh – ER lb/MWh) / 2000 lb = Line 7 Line 8	_____ Allowances